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CONFERENCE OF THE PARTIES
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REVIEW OF THE IMPLEMENTATION OF COMMITMENTS AND OF OTHER PROVISIONS OF THE CONVENTION

PREPARATIONS FOR THE FIRST SESSION OF THE CONFERENCE OF THE PARTIES SERVING AS THE MEETING OF THE PARTIES TO THE KYOTO PROTOCOL (DECISION 8/CP.4)

Consolidated negotiating text proposed by the President

Addendum

DECISIONS CONCERNING LAND-USE, LAND-USE CHANGE AND FORESTRY

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* Document FCCC/CP/2001/2/Add.3 has been withdrawn and replaced by FCCC/CP/2001/2/Add.3/Rev.1.

Draft decision -/CP.6

Land-use, land-use change and forestry

The Conference of the Parties,

Recalling its decisions 1/CP.4, 8/CP.4, 9/CP.4 and 16/CP.5,

Acknowledging with appreciation the scientific advice provided in the *Special Report on Land-use, Land-use Change and Forestry* prepared by the Intergovernmental Panel on Climate Change,

1. *Requests* the Subsidiary Body for Scientific and Technological Advice:

(a) To consider and adopt, following the completion of the methodological work by the Intergovernmental Panel on Climate Change (IPCC) as outlined in paragraph 3 (c) below, methodologies to account for anthropogenic greenhouse gas emissions resulting from direct human-induced degradation and devegetation activities, with a view to the Conference of the Parties at its tenth session recommending a decision for adoption to the Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol at its first session regarding the inclusion of such activities in the first commitment period;

(b) To investigate the application of biome-specific forest definitions for the second and subsequent commitment periods with a view to the Conference of the Parties at its tenth session recommending a decision for adoption on the use of such biome-specific forest definitions for future commitment periods to the Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol at its first session;

(c) To incorporate the work of the IPCC as outlined in paragraph 3 (d) below, into any revisions of modalities, rules and guidelines, as appropriate, prior to the second commitment period, for the accounting of activities under Article 3, paragraph 4, of the Kyoto Protocol.

2. *Recommends* that the Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol at its first session adopts decision -/CMP.1;

3. *Invites* the Intergovernmental Panel on Climate Change:

(a) To elaborate methods to estimate, measure, monitor, and report changes in carbon stocks and anthropogenic greenhouse gas emissions by sources and removals by sinks resulting from land-use, land-use change and forestry activities under Article 3, paragraphs 3 and 4, and Articles 6 and 12 of the Kyoto Protocol on the basis of the *Revised 1996 Intergovernmental Panel on Climate Change Guidelines for National Greenhouse Gas Inventories*, taking into account the decisions -/CMP.1 and -/CP.6, to be submitted for adoption to the Conference of the Parties at its ninth session;

(b) To prepare a report on good practice guidance and uncertainty management related to the measurement, estimation, assessment of uncertainties, monitoring and reporting of net carbon stock changes and anthropogenic greenhouse gas emissions by sources and removals

by sinks in the land-use, land-use change and forestry sector, taking into consideration decisions -/CMP.1 and -/CP.6, to be submitted for adoption to the Conference of the Parties at its ninth session;

(c) To develop methodological options to inventory and report on emissions resulting from direct human-induced degradation and devegetation of forests and other vegetation types, to be submitted to the Conference of the Parties at its ninth session; and,

(d) To develop, if possible, practicable methodologies to factor out direct human-induced changes in carbon stocks and greenhouse gas emissions by sources and removals by sinks from indirect human-induced and natural effects (such as those from carbon dioxide fertilization and nitrogen deposition), and effects due to past practices in forests (pre-reference year), to be submitted to the Conference of the Parties at its tenth session.

4. *Decides* that the treatment of net changes in carbon stocks associated with harvested wood products shall be in accordance with future decisions of the Conference of the Parties.

Draft decision -/CMP.1

Land-use, land-use change and forestry

The Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol,

Affirming that the implementation of land-use, land-use change and forestry activities included under the provisions of the Kyoto Protocol shall be consistent with the objectives and principles of, and any decisions taken under, the United Nations Framework Convention on Climate Change and its Kyoto Protocol,

Having considered decision -/CP.6 adopted by the Conference of the Parties at the second part of its sixth session,

1. *Decides* that any decisions on the treatment of land-use, land-use change and forestry activities must be based on sound science;

2. *Decides* that in estimating and reporting on emissions by sources and removals by sinks from land-use, land-use change and forestry activities, Parties shall use consistent methodologies over time and avoid double counting of emissions and removals from any given activity;

3. *Decides* that accounting for land-use, land-use change and forestry shall not change the aim stated in Article 3.1 of the Kyoto Protocol.

4. *Decides* that accounting is based on changes in carbon stocks and greenhouse gas emissions by sources and removals by sinks. Therefore, the mere presence of carbon stocks is excluded from accounting;

5. *Decides* that land-use, land-use change and forestry activities undertaken under the Kyoto Protocol shall be implemented in such a way that they contribute to the conservation of biological diversity and the sustainable use of natural resources;

6. *Decides* that Good Practice Guidance, as developed by the Intergovernmental Panel on Climate Change, shall be applied by Parties, in accordance with relevant decisions of the Conference of the Parties and the Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol, for estimating and reporting of emissions by sources and removals by sinks resulting from land-use, land-use change and forestry activities;

7. *Decides* that net changes in carbon stocks and anthropogenic greenhouse gas emissions by sources and removals by sinks, with associated uncertainties, shall be accounted in accordance with the annex to this decision and reported in annual inventories and reviewed in accordance with the requirements of Articles 5, 7 and 8 of the Kyoto Protocol under decisions -/CP.6, -/CP.6, -/CP.6, -/CP.6, and in accordance with the *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*, any future elaboration of these guidelines, or parts of them, and any good practice guidance on land-use change and forestry in accordance with relevant decisions of the Conference of the Parties and the Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol. Each Party shall provide any model used on land-use chance and forestry and make it available in its entirety electronically at the time of submission of the inventory for use by all Parties and for verification and review purposes.

8. *Adopts* the definitions, modalities, rules and guidelines relating to land-use, land-use change and forestry activities under the Kyoto Protocol contained in the annex for application in the first commitment period.

ANNEX

Definitions, modalities, rules and guidelines relating to land-use, land-use change and forestry activities under the Kyoto Protocol

A. Definitions

1. For land-use, land-use change and forestry activities under Article 3,[1] paragraphs 3 and 4, the following definitions shall apply:

(a) "Forest" is an area of land of 0.05-1.0 hectares with tree crown cover (or equivalent stocking level) of more than 10-30 per cent with trees with the potential to reach a minimum height of 2-5 metres at maturity in situ in accordance with paragraph 2 below. A forest may consist either of closed forest formations where trees of various storeys and undergrowth cover a high proportion of the ground or open forest. Young natural stands and all plantations which have yet to reach a crown density of 10-30 per cent or tree height of 2-5 metres are included under forest, as are areas normally forming part of the forest area which are temporarily unstocked as a result of human intervention such as harvesting or natural causes but which are expected to revert to forest;

(b) "Afforestation" is the direct human-induced conversion of land that has not been forested for a period of at least 50 years to forest land through planting, seeding and/or the human-induced promotion of natural seed sources;

(c) "Reforestation" is the direct human-induced conversion of non-forest land to forest land through planting, seeding and/or the human-induced promotion of natural seed sources, on land that was forested but that has been converted to non-forest land. For the first commitment period, reforestation activities will be limited to reforestation occurring on those lands that did not contain forest on 31 December 1989;

(d) "Deforestation" is the direct human-induced conversion of forest land to non-forest land;

(e) "Revegetation" is a direct human-induced activity that has taken place since 1 January 1990 to increase carbon stocks on sites through the establishment of vegetation that covers a minimum area of 0.05 hectares and does not meet the definitions of afforestation and reforestation contained here;

(f) "Forest management" is the stewardship and use of forests that has taken place since 1 January 1990 in a way, and at a rate, that maintains their biological diversity, productivity, regeneration capacity, vitality and potential to fulfil, now and in the future, relevant ecological, economic and social functions, at local, national, regional, and global levels, and that does not cause damage to other ecosystems;

(g) "Cropland management" is the system of practices that has taken place since 1 January 1990 on land on which agricultural crops are grown and on land that is set aside or temporarily not being used for crop production;

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[1] "Article" in this annex refers to an Article of the Kyoto Protocol, unless otherwise specified.

(h) "Grazing land management" is the system of practices that has taken place since 1 January 1990 aimed at manipulating the amount and type of vegetation and livestock produced.

B. Article 3.3

2. Each Party[2] included in Annex I shall, for the purposes of applying the definition of "forest" as contained in paragraph 1 (a) above, select a single minimum tree crown cover value between 10 and 30 per cent, a single minimum land area value between 0.05 and 1 hectares and a single minimum tree height value between 2 and 5 metres. The selection of a Party shall be fixed for the duration of the first commitment period. The selection shall be included as an integral part of its report to enable the establishment of its assigned amount pursuant to Article 3, paragraphs 7 and 8 in accordance with decision -/CP.6, and shall include the values for tree crown cover, tree height and the minimum land area. Each Party shall justify in its reporting that such values are consistent with those that have historically been reported to the Food and Agriculture Organization of the United Nations or other international bodies, and if they differ, explain why and how such values were chosen.

3. For the purposes of Article 3, paragraph 3, eligible activities are those direct human-induced afforestation, reforestation and/or deforestation activities that meet the requirements set forth in this annex and that started on or after 1 January 1990 and before 31 December of the last year of the commitment period.

4. For the purposes of determining the area of deforestation to come into the accounting system under Article 3, paragraph 3, each Party shall determine the forest cover using the same spatial assessment unit as is used for the determination of afforestation and reforestation, but not larger than 1 hectare.

5. Each Party included in Annex I shall report, in accordance with Article 7, on how harvesting or forest disturbance that is followed by the re-establishment of a forest, is distinguished from deforestation. This information will be subject to review in accordance with Article 8.

C. Article 3.4

6. A Party included in Annex I may choose to account for anthropogenic greenhouse gas emissions by sources and removals by sinks associated with any or all of the following direct human-induced activities, other than afforestation, reforestation and deforestation, under Article 3, paragraph 4 in the first commitment period: revegetation, forest management, cropland management, and grazing land management.

7. A Party included in Annex I wishing to account for activities under Article 3, paragraph 4, shall identify, in its report to enable the establishment of its assigned amount pursuant to Article 3, paragraphs 7 and 8, the activities under Article 3, paragraph 4, it elects to include in its accounting for the first commitment period. Upon election, a decision by a Party will be fixed for the first commitment period.

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[2] In the context of this annex, "Party" refers to a Party to the Kyoto Protocol.

8. For the first commitment period, a Party included in Annex I that incurs a net source of emissions under the provisions of Article 3, paragraph 3, may account for carbon stock changes and net anthropogenic greenhouse gas emissions by sources and removals by sinks in areas under forest management under Article 3, paragraph 4, up to a level that is equal to the net source of emissions but no greater than 8.2 megatons of carbon per year, if:

(a) That Party chooses to account for carbon stock changes and net anthropogenic greenhouse gas emissions by sources and removals by sinks associated with forest management activities under Article 3, paragraph 4; and

(b) The total forest carbon stock change and net anthropogenic greenhouse gas emissions by sources and removals by sinks in the managed forest since 1990 is equal to, or larger than, the net source of emissions incurred under Article 3, paragraph 3.

9. For the first commitment period, net increases in carbon stocks and net anthropogenic greenhouse gas removals by sinks in areas under forest management under Article 3, paragraph 4, in addition to those accounted for under the provisions of paragraph 8 above, shall be accounted for by applying a discount factor of 85 per cent. Net decreases in carbon stocks and net anthropogenic greenhouse gas emissions shall not be discounted.

10. For the first commitment period, each Party that meets the following criteria may refrain from applying the discount percentage mentioned in paragraph 9 up to a level of 13 megatons of carbon per year:

(a) Energy consumption is less than 0.16 total primary energy supply per unit gross domestic product;[3]

(b) More than half of the landholdings of a Party are covered by forest, and;

(c) The population density is over 300 inhabitants per square kilometre.

11. For the first commitment period, accountable carbon stock changes and net anthropogenic greenhouse gas emissions by sources and removals by sinks resulting from eligible activities under Article 3, paragraph 4 other than forest management, shall be equal to carbon stock changes and net anthropogenic greenhouse gas emissions by sources and removals by sinks in the commitment period, less five times the carbon stock changes and net anthropogenic greenhouse gas emissions by sources and removals by sinks resulting from these eligible activities in the base year of that Party.

D. General

12. For the first commitment period, the additions to and subtractions from the assigned amount of a Party pursuant to Article 3, paragraphs 7 and 8, shall be equal to net greenhouse gas emissions or removals measured as verifiable net changes in carbon stocks, and net non-carbon dioxide greenhouse gas emissions during the period 1 January 2008 to 31 December 2012 resulting from eligible human-induced land-use, land-use change and forestry activities under Article 3, paragraphs 3 and 4. Where the result of this calculation is

[3] Total primary energy supply per gross domestic product or TPES/GDP (ton oil equivalent per thousand US$ 90). Source: Energy balances of OECD countries 1997-1998, 2000 edition. International Energy Agency (see page II. 316/317).

a net sink of greenhouse gases, this value shall be added to the assigned amount of that Party. Where the result of this calculation is a net source of greenhouse gas emissions, this value shall be subtracted from the assigned amount of that Party.

13. A Party included in Annex I electing to account for forest management under Article 3, paragraph 4, in the first commitment period shall not account for afforestation, reforestation and deforestation activities under Article 3, paragraph 4, that are already accounted for under Article 3, paragraph 3.

14. Accounting of net changes in carbon stocks and greenhouse gas emissions by sources and removals by sinks resulting from land-use, land-use change and forestry activities under Article 3, paragraphs 3 and 4, shall begin with the onset of the activity or the beginning of the commitment period, whichever comes later.

15. Once land is accounted for under Article 3, paragraphs 3 and 4, all anthropogenic greenhouse gas emissions by sources from and removals by sinks on this land must be accounted for throughout subsequent and contiguous commitment periods.

16. Information on the location of areas of land subject to land-use, land-use change and forestry activities under Article 3, paragraphs 3 and 4, shall be provided by each Party included in Annex I in their national inventories in accordance with Article 7. Such information will be reviewed in accordance with Article 8.

17. Each Party included in Annex I shall account for all changes in the following carbon pools: above-ground biomass, below-ground biomass, litter, dead wood, and soil organic carbon. A Party may choose not to account for a given pool in a commitment period, if transparent and verifiable information is provided that the pool is not a source.

18. If the quantified emission limitation or reduction commitment inscribed in Annex B of a Party included in Annex I is less than 100, additions to and subtractions from the assigned amount of that Party pursuant to Article 3, paragraphs 7 and 8, resulting from land-use, land-use change and forestry activities accounted for under the second and third tiers of Article 3, paragraph 4 in the first commitment period, and Articles 6 and 12 shall not exceed half of the reduction commitment of that Party,[4] calculated in accordance with Article 3, paragraphs 7 and 8, and prepared in accordance with Article 5, paragraph 2.

19. If the quantified emission limitation or reduction commitment inscribed in Annex B of a Party included in Annex I is equal to, or greater than 100, additions to and subtractions from the assigned amount of that Party pursuant to Article 3, paragraphs 7 and 8, resulting from land-use, land-use change and forestry activities accounted for under the second and third tiers of Article 3, paragraph 4 in the first commitment period, and Articles 6 and 12 shall not exceed 2.5 per cent of the base year emissions of that Party times five, calculated in accordance with Article 3, paragraphs 7 and 8, and prepared in accordance with Article 5, paragraph 2.

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[4] Half of the reduction commitment of a Party is calculated as
0.5 x ((100-QELRC)/100) x base year emissions x 5.